

What is claimed is:

1. An assembled battery unit, comprising:

a plurality of battery cells; and

a holding plate,

wherein said plurality of battery cells are fixed on said holding plate.

2. The assembled battery unit according to claim 1, further comprising a common circuit board, wherein said plurality of battery cells each have a pair of lead plates that are connected to said common circuit board.

3. The assembled battery unit according to claim 2, wherein said holding plate has at least one slit formed therein, the at least one slit being positioned between a pair of said plurality of battery cells, wherein the at least one slit is operable to have a positioning rib provided on a housing for equipment in which said assembled battery unit is incorporated fit in the at least one slit.

4. The assembled battery unit according to claim 3, wherein said pairs of lead plates lead in parallel out of a plane along a bottom surface of said plurality of battery cells.

5. The assembled battery unit according to claim 1, wherein said plurality of battery cells are thin battery cells.

6. The assembled battery unit according to claim 2, wherein said plurality of battery cells are thin battery cells.

7. The assembled battery unit according to claim 3, wherein said plurality of battery cells are thin battery cells.

8. The assembled battery unit according to claim 4, wherein said plurality of battery cells are thin battery cells.

9. The assembled battery unit according to claim 1, wherein said holding plate has an area approximately equal to an area of said plurality of battery cells arranged side by side.

10. The assembled battery unit according to claim 2, wherein said pairs of lead plates are soldered to said common circuit board.

11. The assembled battery unit according to claim 1, wherein said plurality of battery cells are fixed on said holding plate by an adhesive.

12. The assembled battery unit according to claim 2, wherein said pairs of lead plates of said plurality of battery cells are arranged alternatively as positive lead plates and negative lead plates.

13. The assembled battery unit according to claim 1, wherein said plurality of battery cells are lithium-polymer batteries.

14. The assembled battery unit according to claim 2, wherein said common circuit board and said holding plate are a same structure.

15. A manufacturing method for an assembled battery unit in which lead plates led out of a plurality of battery cells are connected to a common circuit board, said manufacturing method comprising:

fixing the plurality of battery cells on a holding plate; and

connecting the lead plates of the plurality of battery cells to the common circuit board.

16. The manufacturing method according to claim 15, wherein said fixing the plurality of battery cells comprises:

setting the holding plate in a jig, such that at least one slit formed in the holding plate is fitting with at least one positioning rib correspondingly provided on the jig at a position between positions where two adjacent battery cells are to be positioned;

positioning the plurality of battery cells on the holding plate such that the at least one positioning rib is between the two adjacent battery cells of the plurality of battery cells; and

fixing the plurality of battery cells to the holding plate.

17. The manufacturing method according to claim 15, wherein the plurality of battery cells are fixed on the holding plate with an adhesive.

18. The manufacturing method according to claim 16, wherein the plurality of battery cells are fixed on the holding plate with an adhesive.

19. The manufacturing method according to claim 15, wherein the lead plates of the plurality of battery cells are connected to the common circuit board by soldering.

20. The manufacturing method according to claim 16, wherein the lead plates of the plurality of battery cells are connected to the common circuit board by soldering.